

## 20b. FLOORS

### Elevated floor Betonradiant on cork



Complete dry system for elevated floors with radiant Betonradiant cement bonded particle boards and BetonWood boards with adjustable supports on cork granules

Complete dry system for elevated floors with radiant Betonradiant cement bonded particle boards and BetonWood boards with adjustable supports on insulating cork granules. Excellent construction system for floating radiant floors.

STRATIGRAPHY	DESCRIPTION	QUANTITY m <sup>2</sup>	PRICE €/m <sup>2</sup>	AMOUNT	
1 Floor	Parquet, tiles, gres				
2 Self-leveling mortar Betonultraplan	Self-leveling mortar for interiors of cement substrates, concrete slabs, ceramic floors, tiles, natural stone, by applying quick-setting self-leveling cement product. The technical characteristics: density of the mixture 1900kg/m <sup>3</sup> ; flexural strength 8,0 N/mm <sup>2</sup> (a 28 gg); compressive strength 30,0 N/mm <sup>2</sup> (a 28 gg); abrasion resistance - grindstone H22 - 550g-200 rounds: 0,7 (a 28 gg); thickness 1-10 mm; consumption 1,6 kg/m <sup>2</sup> per mm			0	
3 Radiant panels Betonradiant	Beton Radiant is a modular system for radiant heating floors realized by two cement bonded particle boards with high density (1350 kg/m <sup>3</sup> ). The panels have the following thermo-dynamics characteristics: high density $\delta=1350$ Kg/m <sup>3</sup> , coefficient of thermal conductivity $\lambda=0,26$ W/mK, specific heat $c=1.88$ KJ / Kg K, coefficient of resistance to vapor penetration $\mu=22,6$ and fire reaction class A2-fl-s1, according to EN 13501-1. The cylinders are coupled to the base panel in the factory and have thickness ... mm, the space between one rod and the other creates the space for housing the pipes of diameter ... mm. The base panel has a thickness of ... mm.			0	
4 Wood fiber Fibertherm Underfloor 250	The wood fiber thin mat FiberTherm Under floor is a thermo-acoustic insulation with which you get a high improvement of acoustics for pre-finished parquet and laminate floors up to 19 dB. Its thermo-dynamics characteristics: density 250 kg/m <sup>3</sup> , thermal conductivity coefficient $\lambda=0,07$ W/mK, specific heat $c=2100$ J/Kg K, coefficient of resistance to vapor penetration $\mu=5$ and reaction to fire class E, according to the standard EN 13501-1. The dimensions correspond to ... mm with a thickness of ... mm. FSC certified.			0	
5 Cement bonded particle boards BetonWood tongue&groove	Pressed cement bonded particle boards with high compactness, density and hardness, resistant to fire, to atmospheric agents, with excellent thermal and acoustic insulation characteristics, with tongue&groove edges. The panels are made of Portland-type concrete conglomerate and debarked Pine wood fiber: high density $\delta=1350$ Kg/m <sup>3</sup> , coefficient of thermal conductivity $\lambda=0,26$ W/mK, specific heat $c=1.88$ KJ / Kg K, coefficient of resistance to vapor penetration $\mu=22,6$ and fire reaction class A2-fl-s1, according to EN 13501-1. The dimensions are ... mm for a thickness of ... mm. The wood comes from forests controlled by FSC reforestation cycles.			0	
6 Cork Granules	The granulate is made of compressed natural blond cork. The material is characterized by the following thermodynamic characteristics: density 200 Kg / m <sup>3</sup> , coefficient of thermal conductivity $\lambda=0.037$ W/mK, specific heat $c=1674$ J/kgK, coefficient of resistance to vapor penetration $\mu=10\div13$ and class reaction to fire 2, according to the Circ. Min. Internal 14/09/1961, n. 91. The granulometries can be 3/12 mm and 3/5 mm.			0	
7 Adjustable supports	Adjustable Floor Stands have anti-noise rubber head, specific adjustment key, variable heights, pre-cut base for wall corner cutting. Possibility to adjust the height millimetrically (adjustable from 25 to 270 mm), in favor of a perfect leveling of the flooring.			0	
8 Foundation	X-lam foundation				
		TAX IVA 22%	0	TAXABLE	0
				TOTAL AMOUNT	0



The functionality of the system will be covered by a BetonWood guarantee for the characteristics of air tightness, water proofing and isolation of the technological package. The warranty will be documented with the appropriate Certificate and Certificate of Assurance that will be delivered at the end of the work to the DD.LL. from the same layer. The forms are available on the BetonWood website as well as the technical indications, the application matrix and the exclusion clauses.